

CLAIM AMENDMENTS

1-8. (Cancelled)

9. (Currently amended) A spray head for high-pressure jet applications, comprising:

a nozzle carrier defining a nozzle carrier bore and a conical bore bottom forming an included angle, and

~~at least one exchangeable nozzle disposed in a the nozzle carrier bore of the nozzle carrier and sealed along an annular surface having a conical nozzle seat, engageable against the wall of the conical bore bottom of the nozzle carrier to seal the conical nozzle seat against the conical bore bottom, that defines a flank angle corresponding to the included angle,~~

~~wherein the bore, at a bore bottom against which conical nozzle seat of the exchangeable nozzle directly bears, is conically configured, wherein the exchangeable nozzle, at a nozzle seat in the region of the bore bottom, is likewise conically configured, and wherein, bears against said conical bore bottom in an installed, functional state, the nozzle seat, along the annular surface, bears directly and in a sealing manner against the bore bottom state, and~~

wherein the included angle differs in size from the corresponding flank angle.

10. (Currently amended) The spray head as claimed in claim 9, wherein the ~~bore bottom has an included angle~~ is greater than a the corresponding flank angle, ~~of the nozzle seat.~~

11. (Previously presented) The spray head as claimed in claim 10, wherein the flank angle differs from the included angle by no more than about 5°.

12. (Previously presented) The spray head as claimed in claim 10, wherein the flank angle of the nozzle seat measures about 58° and the included angle of the bore bottom measures about 60°.

13. (Previously presented) The spray head as claimed in claim 9, wherein, for positional locking of the exchangeable nozzle in the nozzle carrier, the cross-sectional area of the nozzle seat has a shape which corresponds to a shape of the cross-sectional area of the bore bottom, and wherein the cross-sectional areas are non-circular.

14. (Currently amended) The spray head as claimed in claim 13, wherein the cross-sectional areas ~~are~~ include circular arc segments spaced apart in parallel.

15. (Currently amended) The spray head as claimed in claim 9, wherein positional locking is effected on a high-pressure side of said exchangeable nozzle.

16. (Previously presented) The spray head as claimed in claim 9, wherein the exchangeable nozzle is held in the installed state in the bore by an external holding screw, wherein the holding screw is screwed into the bore of the nozzle carrier, wherein the holding screw, at a screw bottom against which the exchangeable nozzle directly bears, is conically configured, and wherein the exchangeable nozzle, in a screw seat of the screw bottom, is likewise of correspondingly conical configuration.

17. (Previously presented) The spray head as claimed in claim 11, wherein the flank angle differs from the included angle by no more than about 3°.

18. (Previously presented) The spray head as claimed in claim 11, wherein the flank angle differs from the included angle by no more than about 1°.

19. (Previously presented) The spray head as claimed in claim 9, wherein the annular surface defines an annular line.

20. (New) A spray head for high-pressure jet applications, comprising:
a nozzle carrier, and
at least one exchangeable nozzle disposed in a bore of the nozzle carrier and sealed along an annular surface against the wall of the bore,

wherein the bore, at a bore bottom against which the exchangeable nozzle directly bears, is conically configured so as to form an included angle,

wherein the exchangeable nozzle, at a nozzle seat in the region of the bore bottom, is likewise conically configured so as to form a flank angle corresponding to the included angle,

wherein, in an installed, functional state, the nozzle seat, along the annular surface, bears directly and in a sealing manner against the bore bottom,

wherein the exchangeable nozzle is held in the installed state in the bore by an external holding screw, and

wherein the included angle differs in size from the corresponding flank angle.

21. (New) The spray head as claimed in claim 9, wherein the external holding screw is screwed into the bore of the nozzle carrier, wherein the holding screw, at a screw bottom against which the exchangeable nozzle directly bears, is conically configured, and wherein the exchangeable nozzle, in a screw seat of the screw bottom, is likewise of correspondingly conical configuration.